

ABSTRACT

COOLING MECHANISMS FOR
ROTARY VALVE CYLINDER ENGINES

A cooling mechanism for a rotary valve cylinder engine 1 comprising a rotary valve cylinder 3 rotatably mounted within an outer cylindrical valve element 8, the rotary valve cylinder 3 and the outer cylindrical valve element 8 each being formed with a respective valve port 51, 71, 81, the rotary valve cylinder 3 being rotatable relative to the outer cylindrical valve element 8 to a position in which the ports 51, 71, 81 are aligned, the cooling mechanism comprising fluid passages 11, 28 formed in the rotary valve cylinder 3 and the outer cylindrical valve element 8 through which, in use, cooling oil flows.